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Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on November 20, 2003

QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By Deborah Berwick  
Deborah Berwick

Attorney Docket No. 21-000731US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Alex Hutcheson, et al.

Examiner: Unassigned

Application No.: Not yet known

Art Unit: 1616

Filed: November 20, 2003

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR § 1.97 and  
§ 1.98

For: NOVEL SYNERGISTIC  
ANTIMICROBIAL COMPOSITIONS  
AND METHODS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO-1449 form are being called to the attention of the Examiner to make of record references cited in parent application USSN 10/188,020 filed July 1, 2002. Pursuant to 37 CFR § 1.98(d), copies of references cited in parent application USSN 10/188,020 filed July 1, 2002 are not provided. However the applicants will gladly provide fresh copies of any references requested by the Examiner.

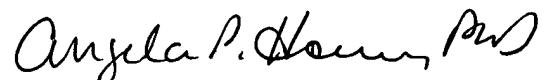
An additional 1449 form citing an additional reference is also enclosed, along with a copy of International Search Report for corresponding International Application No. PCT/US02/20859 A copy of the newly cited reference (i.e., the single reference not cited in the parent IDS submission) is enclosed herewith.

It is respectfully requested that the cited information on the attached 1449 form(s) be expressly considered during the prosecution of this application, and that references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0893. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



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Substitute for form 1449A-B/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		Application Number	Not yet known
		Filing Date	November 20, 2003
		First Named Inventor	Alex Hutcheson
		Group Art Unit	1616
		Examiner Name	Unassigned
		Attorney Docket Number	21-000731US
		Date Submitted	November 20, 2003

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
1	5,736,032			Cox et al.	04-07-1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appeal	T
		Office	Number	Kind Code (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Modified) PTO/SB/08A-B (10-96)  
Approved for use through 10/31/99. OMB 0651-0031

Substitute for form 1449A-B/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Complete if Known	
		Application Number	10/168,020 Not Yet Known
		Filing Date	July 1, 2002
		First Named Inventor	Al x Hutch s n
		Group Art Unit	1616
		Examiner Name	Unassigned
		Attorney Docket Number	21-000730US 21-000731US
		Date Submitted	December 3, 2002 November 20, 2003

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
AA	10/126,482			Hawk et al.	04-16-2002	
AB	2002/0015697	A1		Beckman et al.	02-07-2002	
AC	2002/0018732	A1		Hung et al.	02-14-2002	
AD	6,180,577	B1		Ansari et al.	01-30-2001	
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AF	6,306,835	B1		Daly et al.	10-23-2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	AG	WO	00/49219	A1	Foxwood Research Limited	08-24-2000		
	AH	WO	01/67878					
	AI	WO	02/15698	A1	Taylor et al.	02-28-2002		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T
	AJ	AGERKVIST ET AL. (1990) "Selective flocculation with Chitosan in Escherichia coli disintegrates: effect of pH and nuclease treatment." <i>Enzyme Microbiology and Technology</i> 12:584-590					
	AK	JIA ET AL. (2001) "Synthesis and antibacterial activities of quaternary ammonium salt of chitosan." <i>Carbohydrate Research</i> 333:1-6					
	AL	NO ET AL. (2002) Antibacterial activity of chitosans and chitosan oligomers with different molecular weights." <i>International Journal of Food Microbiology</i> 74:65-72					

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.